

January 14, 2017

The proliferation of wireless technologies is today potentially the biggest threat to public health in the United States and many other developed and developing nations around the world. While you may have heard that the World Health Organization classified the radiofrequency radiation emitted by cell phones, cordless phones, Wi-Fi, smart-meters, and other wireless technologies a Class 2B possible carcinogen, you may not have been aware that there is a growing body of evidence that suggests or confirms that there are severe threats to human and environmental health that arise with the expansion of these technologies.

While the science is becoming very clear, very little is being done by those we elect to serve to combat this important issue. We are once again at the stage we were back in the 1950s when tobacco was a spreading fad and tobacco companies earnestly defended their product, disputing any evidence or claims that there might be any health implications with smoking. Today, we are all aware that a smoker is at increased risk for diseases like lung cancer. Unfortunately, the FCC and other governmental agencies that are supposedly there to protect our health or doing very little, if anything, to ensure our public health and safety, being almost completely dominated by the very industries it was supposedly setup to regulate. Today, the revolving-door between the FCC and the wireless industry has done little more than worsen this situation.

While the health implications of wireless technologies are very similar to those that stem from tobacco usage, there is very little public awareness of these dangers. While cell phone manufacturers are required to insert warnings into their user manuals, we are all aware of how much of that fine print actually gets read on a regular basis. The industry has been very successful at preventing the general public from becoming aware and knowledgeable of these dangers, simply because they can only make a profit if the public remains ignorant and uninformed. Today, cell phone usage among children is almost universal, even though those who begin using cellular phones before the age of twenty are five times more likely to develop malignant brain tumors throughout their life time. We are now in an unprecedented age where parents are inflicting so much harm upon their children and they remain woefully ignorant, and will continue to remain so unless informed otherwise.

The FCC, while responsible for the regulation of the telecommunications industry, has done nothing to ensure the health and safety of US residents. In fact, they recently approved the rollout of 5G nationwide, which will only worsen this already dire situation. It is crucial that people be able to keep their analog landlines, and that prices remain affordable and service remains universal. We cannot allow our highest-quality, most reliable, most robust form of communication be abandoned.

There are a number of measures that could potentially be taken to offset this risk and begin the move towards a healthier and more sustainable future. First, consumers should have the Right to Know. Customers should be informed at the point-of-sale that wireless devices emit radiation that can cause a number of developmental and degenerative problems, including ADHD, autism, and cancer, and that children should not use wireless devices. We have awareness of tobacco and awareness of the risks of drinking; there is absolutely no reason why there should not be a reasonable level of awareness of the risks associated with these carcinogenic technologies.

Even though nobody in the United States is required to have a smart-meter on their property by law, numerous utilities around the United States have coerced their customers into having smart-meters on

their home. While the benefit for the utility is clear, since they no longer have to hire meter-readers and can therefore downsize their workforce, they are now subjecting their customers to 24/7 radiofrequency exposure *without their consent*. The majority of us never opted in to this smart-meter experiment. We were never told of the dangers of smart-meters. We were never told that hundreds of smart-meters around the country have caught fire, and we were never told that smart-meters are inherently insecure. This corruption needs to stop. Apart from violating our Fourth Amendment rights by subjecting us to around-the-clock surveillance, utilities can now use our electrical usage data and sell it to third-parties to make an even bigger profit. And for the few of us who try to take action against this corruption, many utilities have threatened disconnection, and in some cases, even disconnected a customer, even during the winter months!

Wi-Fi in schools is another pressing and urgent problem. While in rare instances, students have committed suicide because their lives were made intolerable by the radiation, the majority of our youth are unable to feel the effects, as are most of us who aren't electro-hypersensitive. Because our FCC standards are among the highest in the world ($600 \mu\text{W}/\text{cm}^2$), our children are being subjected to radiation levels in school far above levels that have been proven to cause biological damage. Because damage can occur even at very low levels, wireless technology cannot and should not be used in schools, for the sake of the health of America's youth. These children are being exposed to 100,000,000 times more radiation than our grandparents are, and they are all apart of this wireless experiment due to the government's gross negligence. We need to act now to protect our youth. We can have 21st century learning, but we can do it how we did it before the advent of wireless – using secure, fast, and reliable Ethernet cables, which do not carry the safety or health concerns of Wi-Fi. Given that students will be more productive on a desktop or laptop computer than a mobile device, the move towards wired solutions is inevitable, and quite frankly, a no-brainer. And given that many countries around the world have banned Wi-Fi and cell phones in schools, the United States should act now to protect our youth rather than wait until it is too late. It is only a matter of time until radiofrequency radiation is reclassified as a Class 2A or Class 1 carcinogen. And if we wait until then, it will be too late to prevent irreversible and irreparable damage from occurring to millions. We all deserve the Right to Know what our bodies are being subjected to and how that can affect our health.

It is very evident that unless new laws and policies are enacted at the local, state, and federal levels, then it will soon be too late to do anything to prevent millions of uninformed people from suffering. Industry should not be allowed to enforce ignorance in order to spin a profit. As an elected official tasked with the responsibility of protecting the well-being of those you represent, please consider this as you continue to make decisions that may have an impact on the lives of those around you.

Sincerely,

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